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10/620,264	07/15/2003	Ludger Leve	PRINZ H1796	8749

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EXAMINER

NGUYEN, PHUONGCHI T

ART UNIT	PAPER NUMBER
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2833

DATE MAILED: 04/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/620,264

Applicant(s)

LEVE, LUDGER

Examiner

Phuongchi Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 and 14-16 is/are rejected.
- 7) ☒ Claim(s) 12 and 13 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Drawings*

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore,

“the first and second haft shells are latched with each other” in claim 2; and

“a crimping sleeve is attached to the first metal sleeve so as to be arranged at a distance from a latching point of the two half shells” in claim 4, and

“the first and second plastic bodies are latched with each other” in claim 11,

must be shown or the feature(s) canceled from the claims. No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 2, 4 and 11 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In regarding to claim 2, it is unclear where is the first and second haft shells are latched with each other”?

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In regarding to claim 4, it is unclear where is a crimping sleeve is attached to the first metal sleeve (10) so as to be arranged at a distance from a latching point of the two half shells?

In regarding to claim 11, it is unclear where is the first and second plastic bodies are latched with each other?

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 3, 5-10 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over K.G.Robinson (US2952823).

In regarding to claim 1, K.G.Robinson discloses a coaxial plug connector comprising first and second receiving chambered (where conductor 28 located at both ends in figures 3 and 4) which are surrounded by first (10) and second metal sleeves (22), respectively, the first metal sleeves (10) being made up of first and second half shells (10a, 10b) which is placed one top of the other (10a1 on top of 10a2) (figure 3) and the first haft shell (10a/10) being inserted in the second metal sleeve (22). K.G.Robinson lacks the second metal sleeve being inserted in the first haft shell. It would have been obvious to one having ordinary skill at the time the invention was made to reverse the connection of the second metal sleeve and the first haft shell of K.G.Robinson by arranging the portion of the first haft shell on top of the portion of the second metal sleeve to insert the second metal sleeve in the first haft shell for having a good connection between the sleeve and the body.

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In regarding to claim 3, K.G.Robinson discloses the coaxial plug connector wherein the one of the first and second half shells (10a) has a cut-out (10a1, 10a2) and the other of the half shells (10b) has a retaining lug engaging into the cut-out (column 3, lines 3-10).

In regarding to claim 5, after rearranging the portion of the first half shell/the first metal sleeve (10a/10) on top of the portion of the second metal sleeve of K.G.Robinson to insert the second metal sleeve (22) in the first half shell/the metal sleeve (10a/10); the second metal sleeve (22) will be flanged in an interior of the first half shell/the first metal sleeve (10a/10).

In regarding to claim 6, after rearranging the portion of the first half shell/the first metal sleeve (10a/10) on top of the portion of the second metal sleeve of K.G.Robinson to insert the second metal sleeve (22) in the first half shell/the metal sleeve (10a/10); an interior of the second metal sleeve (22) is a first dielectric plastic body (30) having a mount (30b) in which an inner conductor (28) is arranged (figure 2).

In regarding to claim 7, K.G.Robinson discloses the invention, but lacks the second metal sleeve provided with a plurality of small passage openings though where a plurality of small openings of the first metal sleeve being located. It would have been obvious to one ordinary skill at the time the invention was made to provide on the coaxial plug connector of K.G.Robinson the plurality of the small passage openings through on the second metal sleeve and the first metal sleeve for having an indicator to connect the second metal sleeve and the first metal sleeve in a right position; since the examiner takes official Notice of a plurality of small passage openings though where a plurality of small openings of the first metal sleeve and the selection of any of these known equivalents to any slots or indicators would be within the level of ordinary skill in the art.

In regarding to claim 8, K.G.Robinson discloses the coaxial plug connector wherein the first plastic body (30) extends as far as into the first half shell (10a) (figure 3).

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In regarding to claim 9, K.G.Robinson discloses the invention, but lacks a second dielectric plastic body. It would have been obvious to one ordinary skill at the time invention was made to divide the connector body of R.G.Ronsinson into the two hafts for arranging the first haft body into the first haft shell and the second haft body into the second haft shell; since it has been held that constructing a formerly integral structure in various elements involves only routine skill in the art. *Nerwin v. Erlichman*, 168 USPQ 1.77, 179.

Claim 10 is rejected for the same reason of claim 7.

In regarding to claim 15, after rearranging the portion of the first haft shell/the first metal sleeve (10a/10) on top of the portion of the second metal sleeve of K.G.Robinson to insert the second metal sleeve (22) in the first haft shell/the metal sleeve (10a/10), and the connector body is divided into the two hafts for arranging the first haft body into the first haft shell and the second haft body into the second haft shell, the first and second half shells (10a, 10b) having longitudinal edges along which they overlap at least in part (at areas 10a1, 10a2) and wherein the second metal sleeve (22) overlaps the first half shell (10a) (depending on the viewer's position from the outside, adjacent 10a2 of figure 3) and viewing the haft body 30 (located on the haft shell 10a as seen in figures 2-3).

In regarding to claim 16, K.G.Robinson discloses the coaxial plug connector wherein the first and second metal sleeves (10, 22) are arranged at right angles to each other (figure 3).

6. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over K.G.Robinson (US2952823) in view of Stursa (US4655534).

In regarding to claim 14, K.G.Robinson lacks the ribs of the body. However, Stursa teaches the plastic body (20) is provided with ribs (of 38), which can be crimped so as to be flexed in a crimping portion of the inner conductor (of the cable) (column 4, lines 45-56). It would have been obvious to one having ordinary skill at the time the invention was made to

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provide the ribs to the body of K.G.Robinson to form a strain relief for the cable and to increase a good connection for the inner conductor and the cable.

***Allowable Subject matter***

7. Claims 12-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter:

In regarding to claim 12, the prior art fails to teach or suggest the coaxial plug connector comprising one of the plastic bodies has a protrusion engaged with a recess of the other plastic bodies arranged as claimed.

In regarding to claim 13, the prior art fails to teach or suggest the coaxial plug connector comprising the second plastic body rests at the inner conductor such that the conductor is firmly held in the mount.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchi Nguyen whose telephone number is (571) 272-2012. The examiner can normally be reached on 8:00AM-4:00PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PCN-

April 7, 2004



**ROSS GUSH**  
**PRIMARY EXAMINER**